

Human Melanoma Cell Adhesion Molecule (MCAM) ELISA Kit | MCAM elisa kit

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CATALOG #
AAA184942

REACTIVITY
Human

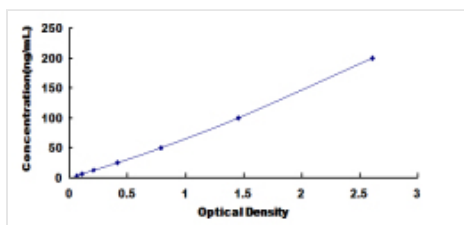
PRODUCT SYNONYMS

Melanoma Cell Adhesion Molecule (MCAM); Human Melanoma Cell Adhesion Molecule (MCAM) ELISA Kit; CD146; MUC18; Cell surface glycoprotein P1H12; Melanoma-associated antigen A32; S-endo 1 endothelial-associated antigen; MCAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Melanoma Cell Adhesion Molecule (MCAM). No significant cross-reactivity or interference between Melanoma Cell Adhesion Molecule (MCAM) and analogues was observed.
Sequence Length	527
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.121ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Melanoma Cell Adhesion Molecule (MCAM) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Melanoma Cell Adhesion Molecule (MCAM) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCAM elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Melanoma Cell Adhesion Molecule (MCAM). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Melanoma Cell Adhesion Molecule (MCAM). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Melanoma Cell Adhesion Molecule (MCAM), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Melanoma Cell Adhesion Molecule (MCAM) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33989399
NCBI GeneID	4162
UniProt Accession #	P43121; O95812; Q59E86; Q6PHR3; Q6ZTR2
Molecular Weight	57,605 Da
NCBI Official Full Name	Melanoma cell adhesion molecule
NCBI Official Synonym Full Names	melanoma cell adhesion molecule
NCBI Official Symbol	MCAM
NCBI Official Synonym Symbols	CD146; MUC18
NCBI Protein Information	cell surface glycoprotein MUC18
UniProt Protein Name	Cell surface glycoprotein MUC18
UniProt Gene Name	MCAM
UniProt Synonym Gene Names	MUC18

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/melanoma-cell-adhesion-molecule-mcam/184942>